

MC1

Single-phase efficient current transformers



Description

The transformers of the **MC1** range are efficient current transformers. This range of transformers offers a measurement range from 150...2,000 A. They operate with a 250 mA secondary and feature 3 measurement ranges in the same transformer: simply changing a connection cable and the ratio selected in the measurement unit. **MC1** transformers are only compatible with **CIRCUTOR's MC** range.

Applications

- In installations where the electric supply can be interrupted to install transformers.
- Very useful for installing in places where the exact nominal current range is not known.

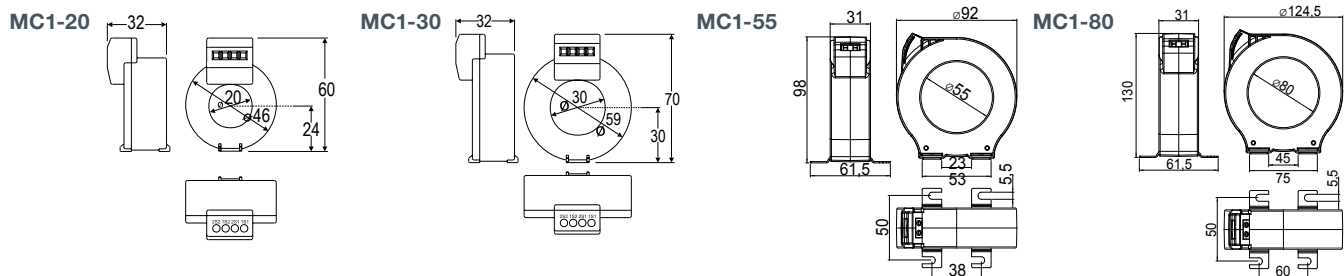
Technical features

Electrical features		
Frequency		50 / 60 Hz
Insulation voltage		3 kVac
Thermal short-circuit current, I_{th}		60 I_n
Dynamic current, I_{dyn}		2.5 I_{th}
Measurement		Single-phase
Class 0.5 Power		0.25 VA
Build features		
Highest voltage for the material		0.72 kVac
Thermal class		B (130 °C)
Type of encapsulation		V0 self-extinguishing plastic
Safety factor		S _F 5
Sealable secondary terminals		Yes
Secondary terminals		IP 20
Attached to DIN rail		MC1-20 / MC1-30
Standards		IEC 60044-1

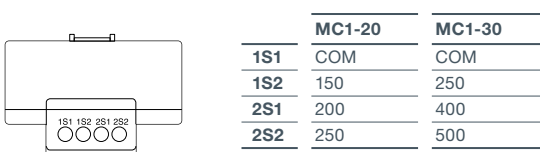
References

Type	Code	A max.	Ranges	Internal diameter
MC1-35-50/100/150	M73116	150	50/100/150 A	35 mm
MC1-20-150/200/250	M73113	250	150/200/250 A	20 mm
MC1-30-250/400/500	M73114	500	250/400/500 A	30 mm
MC1-55-500/1000/1500	M73115	1500	500/1000/1500 A	55 mm
MC1-80-1000/1500/2000	M73117	2000	1000/1500/2000 A	80 mm

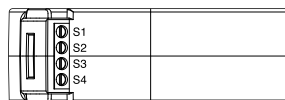
Dimensions



Connections



	MC1-20	MC1-30
1S1	COM	COM
1S2	150	250
2S1	200	400
2S2	250	500



	MC1-35	MC1-55	MC1-80
S1	COM	COM	COM
S2	50	500	1000
S3	100	1000	1500
S4	150	1500	2000